

SERVICE MANUAL


STEREO CASSETTE PLAYER

BASIC TAPE MECHANISM : 6ZM-2 P9NF

- This Service Manual is the "Supplement" and replaces "Simple Manual" (S/M Code No. 09-001-410-8T2).
- This Service Manual contains information about the difference between HS-PX407(Y) and HS-PX397(Y1). If requiring other information, see Service Manual of HS-PX397(Y1,YH) / HS-EM130(Y1), (S/M Code No. 09-995-410-8R1).

SPECIFICATIONS

Maximum output:	4 mW + 4 mW (EIAJ/16 ohms)
Load impedance:	16 – 32 ohms
Power source:	DC 1.5 V using an R6 (AA) dry cell battery
Battery life	
(EIAJ 1 mW output):	Aprox. 30 hours using an LR6 (AA) alkaline battery
Maximum dimensions:	110 (W) x 79.2 (H) x 26.6 (D) mm (4 ³ / ₈ x 3 ¹ / ₈ x 1 ¹ / ₁₆ in.)
Weight:	Approx. 132 g (4.6 oz) (excluding batteries)

- Design and specifications are subject to change without notice.
- Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.
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ELECTRICAL MAIN PARTS LIST

REF.NO.	PARTNO.	KANRI NO.	DESCRIPTION	REF.NO.	PARTNO.	KANRI NO.	DESCRIPTION
IC				C147	87-A10-708-080		C-CAP,U 0.68U-10 F Z
	87-A21-174-010		C-IC,TA2103F	C148	87-016-562-080		C-CAP,TN 4.7-10
	87-A20-961-040		C-IC,MM1279XV	C149	87-016-286-080		C-CAP,TN 2.2-6.3 F93
	87-A20-785-080		C-IC,S-81215SG-QK-T1	C150	87-016-562-080		C-CAP,TN 4.7-10
	8Z-HK6-605-010		C-IC,MSM6576-99-GS-K	C151	87-010-784-080		C-CAP,U 0.012-25 B
TRANSISTOR				C152	87-010-784-080		C-CAP,U 0.012-25 B
	89-113-625-080		C-TR,2SA1362GR	C153	87-A11-056-080		C-CAP,U 1-10 Z F
	87-026-352-080		C-TR,DTC144TU	C154	87-A11-056-080		C-CAP,U 1-10 Z F
	87-026-418-080		C-TR,RN1311	C181	87-A10-263-080		C-CAP,U 0.1-16ZF
	87-026-428-080		C-TR,RN2310	C182	87-A10-263-080		C-CAP,U 0.1-16ZF
DIODE	89-341-165-080		C-TR,2SC4116GR	C183	87-012-284-080		CAP, U 6800P-50
	89-333-266-080		C-TR,2SC3326B	C184	87-012-284-080		CAP, U 6800P-50
	87-026-425-080		C-TR,RN2307	C185	87-A11-062-080		C-CAP,S 2.2-16 Z F
	87-026-337-080		C-TR,DTA144TU	C401	87-012-286-080		CAP, U 0.01-25
	87-026-417-080		C-TR,RN1310	C402	87-012-286-080		CAP, U 0.01-25
MAIN C.B				C403	87-012-286-080		CAP, U 0.01-25
	87-A40-642-040		C-DIODE,1SS367	C405	87-A10-707-080		C-CAP,U 0.47U-16 F Z
				C406	87-A10-025-080		C-CAP,U 0.22-16Z F
				C407	87-A10-263-080		C-CAP,U 0.1-16ZF
				C408	87-A11-063-080		C-CAP,S 4.7-10 Z F
CHIP RESISTOR	87-012-273-080		C-CAP,U 820P-50 B	C409	87-A10-260-080		C-CAP,U 0.1-16 K B
	87-012-273-080		C-CAP,U 820P-50 B	C701	87-010-746-080		CAP, TANTAL 10-4
	87-012-273-080		C-CAP,U 820P-50 B	C702	87-010-746-080		CAP, TANTAL 10-4
	87-012-273-080		C-CAP,U 820P-50 B	C703	87-A10-263-080		C-CAP,U 0.1-16ZF
	87-016-286-080		C-CAP,TN 2.2-6.3 F93	C801	87-A11-056-080		C-CAP,U 1-10 Z F
CHIP RESISTOR	87-016-286-080		C-CAP,TN 2.2-6.3 F93	C802	87-A11-056-080		C-CAP,U 1-10 Z F
	87-016-114-080		C-CAP,U0.01-25B	C803	87-A11-056-080		C-CAP,U 1-10 Z F
	87-016-114-080		C-CAP,U0.01-25B	C805	87-010-274-080		C-CAP,TN 3.3-4
	87-010-828-080		CHIP CAPACITOR,U 0.033-	C807	87-012-274-080		CHIP CAP,U 1000P-50B
	87-010-828-080		CHIP CAPACITOR,U 0.033-	C808	87-A10-263-080		C-CAP,U 0.1-16ZF
CHIP RESISTOR	87-A11-056-080		C-CAP,U 1-10 Z F	C901	87-A11-056-080		C-CAP,U 1-10 Z F
	87-A11-056-080		C-CAP,U 1-10 Z F	C902	87-010-822-080		CAP,E 220-4 M MJ
	87-010-987-080		C-CAP,S 1500P-50 CH	J101	87-099-575-010		JACK,3.5ST BLK 5P
	87-010-987-080		C-CAP,S 1500P-50 CH	J901	87-A60-319-010		JACK,DC DIA 2.75
	87-012-285-080		C-CAP,U 8200P-50 B	LED601	87-A40-643-040		C-LED,SML-211UT
CHIP RESISTOR	87-012-285-080		C-CAP,U 8200P-50 B	PS501	87-A90-526-010		SNSR,NJL 5163-F1-B
	87-012-286-080		CAP, U 0.01-25	R101	87-022-279-080		C-RES,U 470-1/16W F
	87-012-286-080		CAP, U 0.01-25	R102	87-022-279-080		C-RES,U 470-1/16W F
	87-A10-828-080		C-CAP,U 0.33-6.3 K B	R107	87-022-243-080		CHIP RES,U 15K-1/16W F
	87-A10-828-080		C-CAP,U 0.33-6.3 K B	R108	87-022-243-080		CHIP RES,U 15K-1/16W F
CHIP RESISTOR	87-A10-827-080		C-CAP,U 0.47-6.3 K B	R109	87-022-292-080		CHIP RES U 330K-1/16W F
	87-A10-827-080		C-CAP,U 0.47-6.3 K B	R110	87-022-292-080		CHIP RES U 330K-1/16W F
	87-A11-056-080		C-CAP,U 1-10 Z F	R115	87-022-251-080		C-RES,U 33K-1/16W F
	87-A11-056-080		C-CAP,U 1-10 Z F	R116	87-022-251-080		C-RES,U 33K-1/16W F
	87-A11-056-080		C-CAP,U 1-10 Z F	R117	87-022-251-080		C-RES,U 33K-1/16W F
CHIP RESISTOR	87-A11-056-080		C-CAP,U 1-10 Z F	R118	87-022-251-080		C-RES,U 33K-1/16W F
	87-012-274-080		CHIP CAP,U 1000P-50B	R119	87-022-216-080		C-RES,U 1.1K-1/16W F
	87-012-274-080		CHIP CAP,U 1000P-50B	R120	87-022-216-080		C-RES,U 1.1K-1/16W F
	87-A10-025-080		C-CAP,U 0.22-16Z F	R121	87-022-241-080		CHIP RESTOR 12K 1/16W F
	87-A10-025-080		C-CAP,U 0.22-16Z F	R122	87-022-241-080		CHIP RESTOR 12K 1/16W F
CHIP RESISTOR	87-016-429-080		C-CAP,E 100-4 5.5N	R123	87-022-293-080		CHIP RES U 390K-1/16W F
	87-016-429-080		C-CAP,E 100-4 5.5N	R124	87-022-293-080		CHIP RES U 390K-1/16W F
	87-A11-056-080		C-CAP,U 1-10 Z F	R129	87-022-254-080		C-RES,U 43K-1/16 WF
	87-010-746-080		CAP, TANTAL 10-4	R137	87-022-223-080		CHIP RES 2.2K 1/16W F
	87-A10-952-080		C-CAP,TN 22-4 M A MCM	R804	87-022-255-080		C-RES,U 47K-1/16W F
CHIP RESISTOR	87-016-288-080		C-CAP,TN 4.7-6.3 F93	R807	87-022-292-080		CHIP RES U 330K-1/16W F
	87-A10-952-080		C-CAP,TN 22-4 M A MCM	R810	87-022-292-080		CHIP RES U 330K-1/16W F
	87-A10-025-080		C-CAP,U 0.22-16Z F	R811	87-022-292-080		CHIP RES U 330K-1/16W F
	87-A10-025-080		C-CAP,U 0.22-16Z F	R814	87-022-292-080		CHIP RES U 330K-1/16W F
	87-016-288-080		C-CAP,TN 4.7-6.3 F93	R821	87-022-292-080		CHIP RES U 330K-1/16W F
CHIP RESISTOR	87-A10-707-080		C-CAP,U 0.47U-16 F Z	S101	87-036-379-180		C-SW,SL 1-1-2 SS-350-A12B-C-T
	87-A10-707-080		C-CAP,U 0.47U-16 F Z	S102	87-036-379-180		C-SW,SL 1-1-2 SS-350-A12B-C-T
	87-A10-707-080		C-CAP,U 0.47U-16 F Z	S103	87-A91-455-080		C-SW,SL 1-1-4 SS-350-A14B-C-T
	87-A11-056-080		C-CAP,U 1-10 Z F	S801	87-A90-455-010		SW,PUSH HXW4001
	87-A11-056-080		C-CAP,U 1-10 Z F	S802	87-A90-356-210		SW,LEAF 6ZM-2
CHIP RESISTOR	87-A11-056-080		C-CAP,U 1-10 Z F	S803	87-A90-665-180		C-SW,TACT LS7A2M
	87-A11-056-080		C-CAP,U 1-10 Z F	S804	87-A90-665-180		C-SW,TACT LS7A2M
	87-A11-056-080		C-CAP,U 1-10 Z F	S805	87-A90-665-180		C-SW,TACT LS7A2M
	87-A11-056-080		C-CAP,U 1-10 Z F	S806	87-A90-665-180		C-SW,TACT LS7A2M
	87-A11-056-080		C-CAP,U 1-10 Z F	S807	87-036-379-180		C-SW,SL 1-1-2 SS-350-A12B-C-T

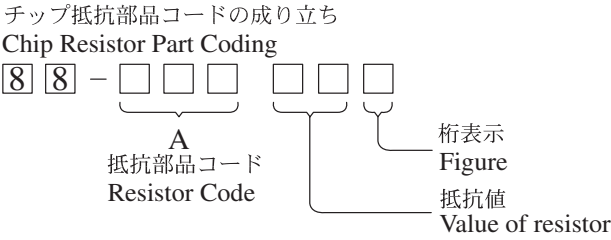
REF.NO.	PARTNO.	KANRI NO.	DESCRIPTION
S808	87-036-379-180		C-SW,SL 1-1-2 SS-350-A12B-C-T
S809	87-A91-335-080		C-SW,PUSH 1-1-1 SPVG11
SFR401	87-A91-465-040		C-SFR,6.8K H RH03AEC
TH401	87-A90-855-080		C-THMS,SC20-3K102K
VR101	87-A90-116-080		C-VR,RTRY20KCX2V0103

X801 87-A70-079-110 VIB,XTAL 32.768KHZ M VT-


HEAD FLEX C.B

PH1 87-HK5-608-010 HEAD, ASSY 6ZM-2 (MVA)

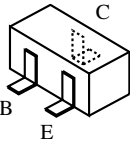
チップ抵抗部品コード／CHIP RESISTOR PART CODE



チップ抵抗
Chip resistor

容量 Wattage	種類 Type	許容誤差 Tolerance	記号 Symbol	寸法／Dimensions (mm)				抵抗コード : A
				外形／Form	L	W	t	Resistor Code : A
1/16W	1005	± 5%	CJ		1.0	0.5	0.35	104
1/16W	1608	± 5%	CJ		1.6	0.8	0.45	108
1/10W	2125	± 5%	CJ		2	1.25	0.45	118
1/8W	3216	± 5%	CJ		3.2	1.6	0.55	128

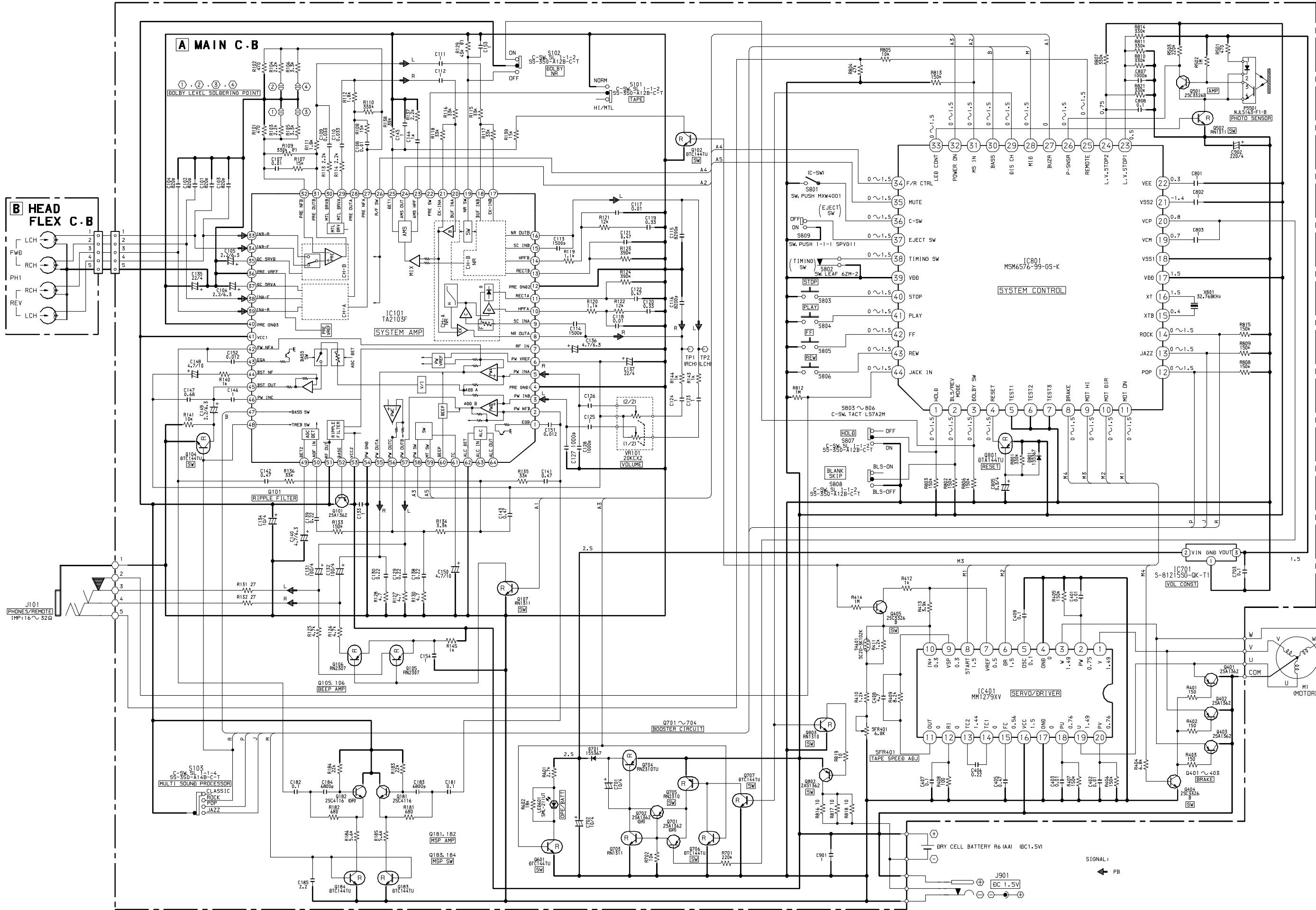
TRANSISTOR ILLUSTRATION

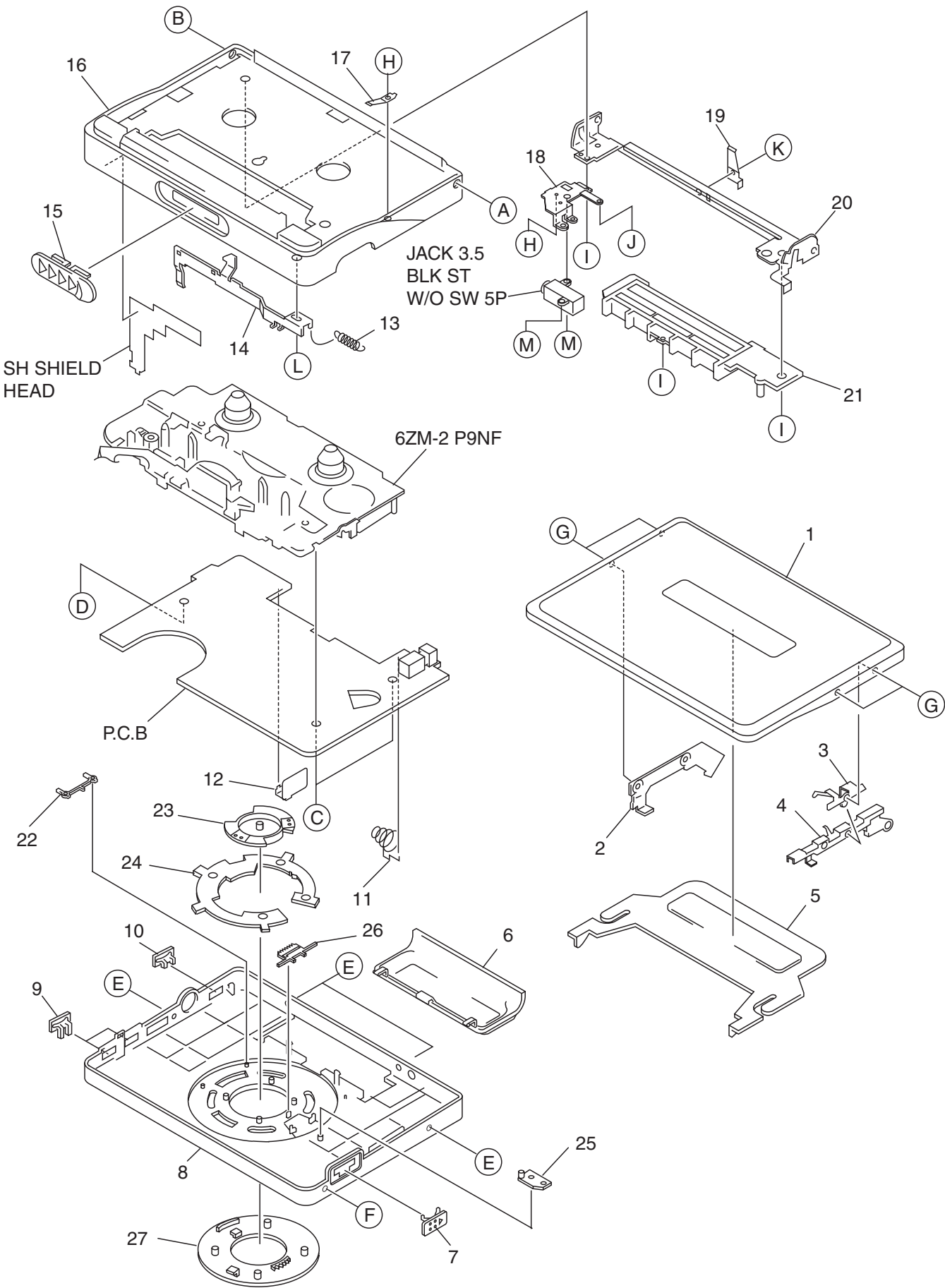


RN1310	2SC4116
RN1311	2SC3326
RN2307	DTA144TU
RN2310	DTC144TU
2SA1362	



SCHEMATIC DIAGRAM





ACCESSORIES / PACKAGE LIST

REF.NO.	PARTNO.	KANRI NO.	DESCRIPTION
1	8Z-HKC-915-010	IB,Y (EGFSI)	S407
1	8Z-HKC-916-010	IB,EZ (EDPHNZ)	S407
2	87-B30-253-010	HEADPHONE,HP-M041	
3	8Z-HK6-952-010	RC UNIT,RC507	

アイワ株式会社 〒110-8710 東京都台東区池之端1-2-11 ☎03(3827)3111 (代表)
AIWA CO.,LTD. 2-11, IKENOHATA 1-CHOME, TAITO-KU, TOKYO 110, JAPAN TEL:03 (3827) 3111